

Abstract:

Page 26, in the abstract section, replace with the following new abstract paragraph:

**--- SPREAD SPECTRUM BASED MULTICHANNEL MODULATION
FOR ULTRA WIDEBAND COMMUNICATIONS**

Abstract of the Disclosure

A spread spectrum based multichannel modulation [[UWB]] Ultra-Wideband (UWB) communication transceiver for indoor wireless operations is provided presented according to some embodiments. The spread spectrum based multichannels are orthogonal to each other and allow for an operation in parallel. The UWB system communication transceiver can also avoid [[the]] interference with WLAN 802.11a devices [[at]] in the same environment. In addition, [[The]] the UWB communication transceiver of the present invention can transmit and receive the scalability chip data rates from 650 Mcps [[up]] to 7.15 Gcps.